

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101336.D
 Acq On : 12 Dec 2017 18:11
 Operator : SJ/JU
 Sample : I6822-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 13 00:37:10 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	46798	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	179274	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	79059	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	141948	20.00	ng	0.00
75) Chrysene-d12	14.00	240	104844	20.00	ng	0.00
86) Perylene-d12	15.48	264	87790	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	322036	113.71	ng	0.00
7) Phenol-d6	6.46	99	391546	113.88	ng	0.00
23) Nitrobenzene-d5	7.39	82	235279	78.29	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	97852	103.03	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	489392	84.69	ng	0.00
78) Terphenyl-d14	12.94	244	407894	85.10	ng	0.00

Target Compounds

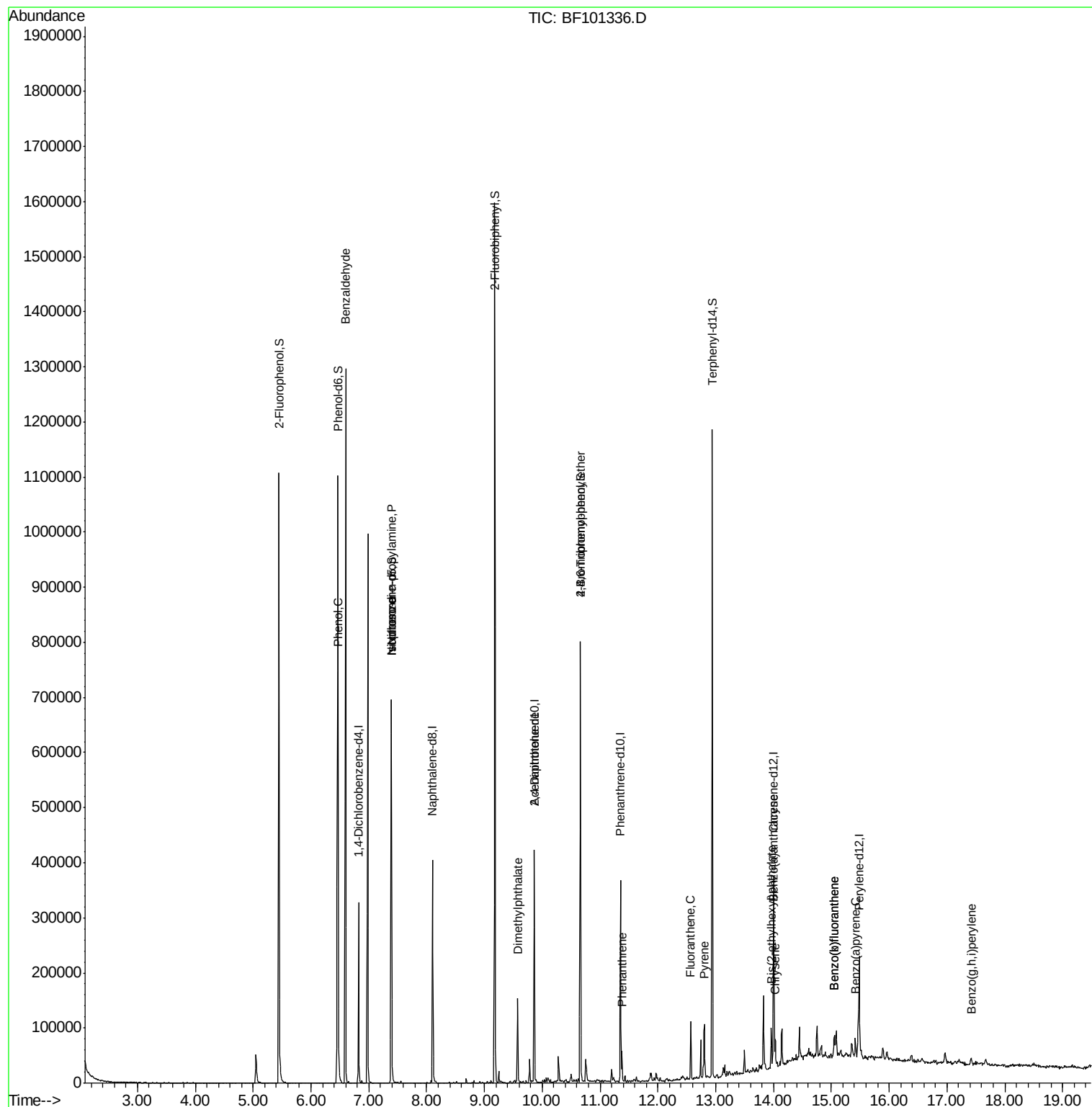
						Qvalue
9) Benzaldehyde	6.60	77	7415	3.523	ng	84
10) Phenol	6.47	94	11165	2.920	ng	85
19) n-Nitroso-di-n-propylamine	7.39	70	31018	13.395	ng	# 81
25) Isophorone	7.39	82	235278	45.833	ng	# 64
49) Dimethylphthalate	9.57	163	59172	9.281	ng	# 98
56) 2,4-Dinitrotoluene	9.86	165	10053	5.586	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	6459	4.065	ng	# 1
70) Phenanthrene	11.37	178	20552	2.629	ng	98
74) Fluoranthene	12.57	202	43988	5.076	ng	96
77) Pyrene	12.80	202	38371	5.304	ng	96
80) Benzo(a)anthracene	13.99	228	20937	3.163	ng	95
82) Chrysene	14.03	228	18484	3.007	ng	91
83) Bis(2-ethylhexyl)phthalate	13.96	149	20227	4.448	ng	94
87) Benzo(b)fluoranthene	15.05	252	27915	5.309	ng	# 93
88) Benzo(k)fluoranthene	15.05	252	27915	5.388	ng	96
89) Benzo(a)pyrene	15.42	252	15887	3.323	ng	97
91) Benzo(a,h,i)perylene	17.42	276	8612	2.168	ng	# 91

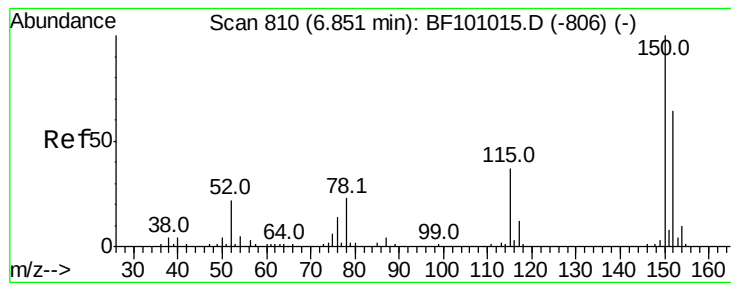
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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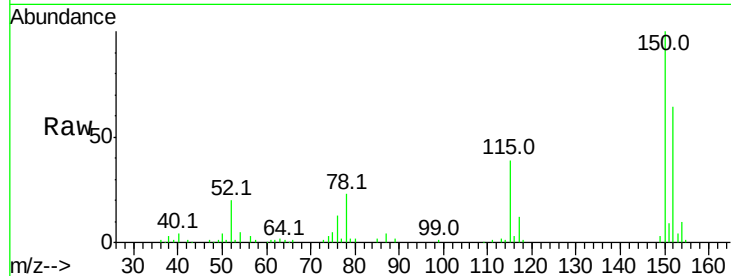


#1

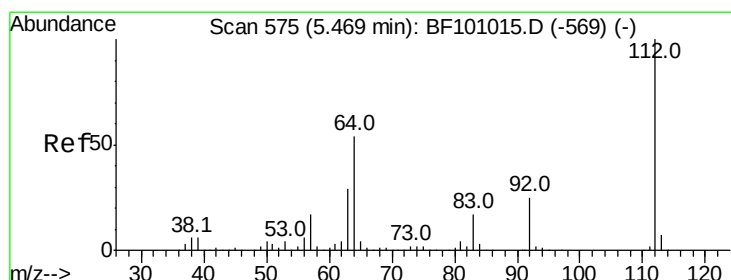
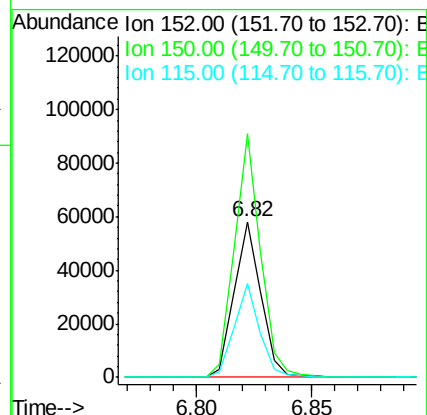
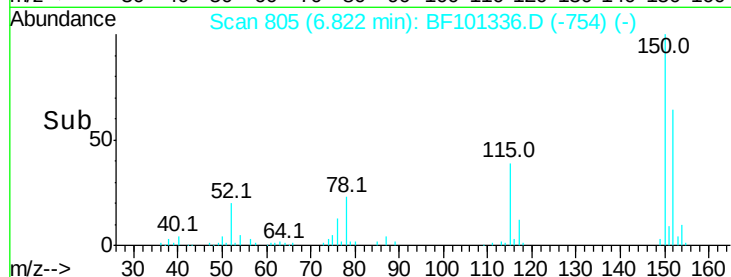
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BF101336.D
 Acq: 12 Dec 2017 18:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 46798
 Ion Ratio Lower Upper
 152 100
 150 156.5 124.6 186.8
 115 60.5 50.1 75.1



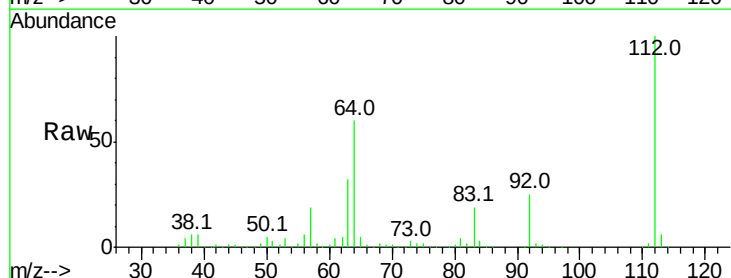
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



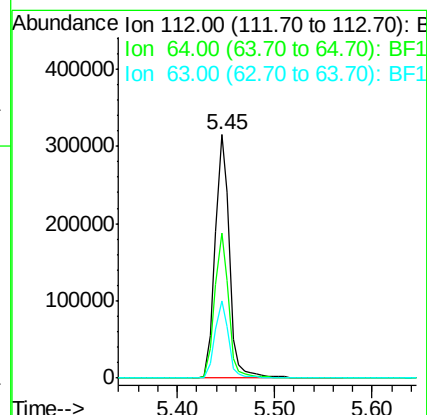
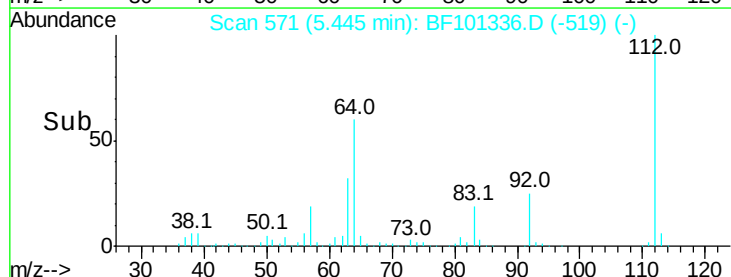
#5

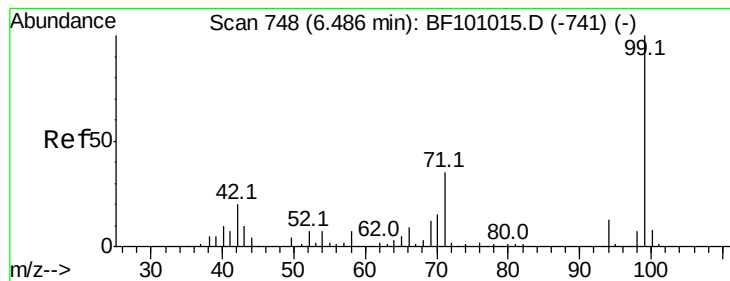
2-Fluorophenol
 Concen: 113.711 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: BF101336.D
 Acq: 12 Dec 2017 18:11

Tgt Ion:112 Resp: 322036
 Ion Ratio Lower Upper
 112 100
 64 59.8 47.9 71.9
 63 31.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 113.875 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.00 min

Lab File: BF101336.D

Acq: 12 Dec 2017 18:11

Instrument :

BNA_F

ClientSampleId :

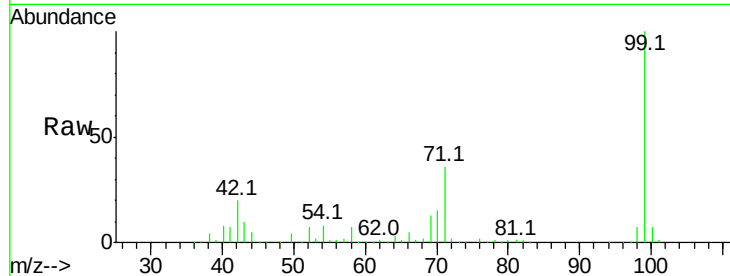
Tot Ion: 99 Resp: 391546

Ion Ratio Lower Upper

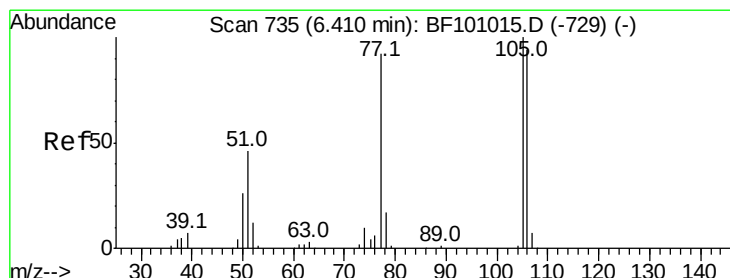
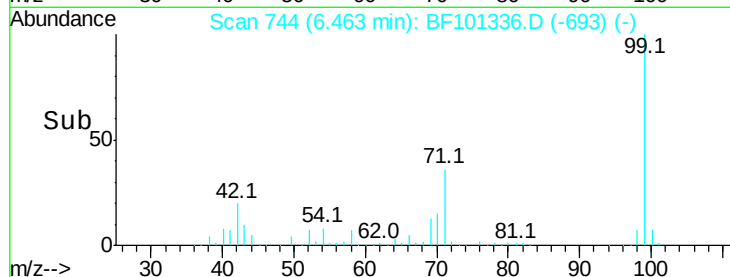
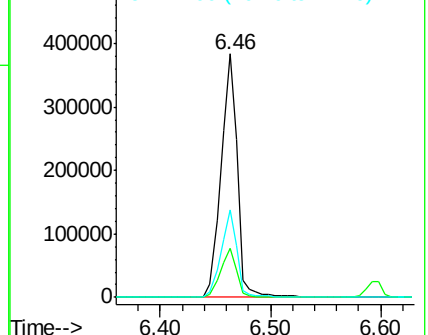
99 100

42 20.0 14.5 21.7

71 35.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 3.523 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF101336.D

Acq: 12 Dec 2017 18:11

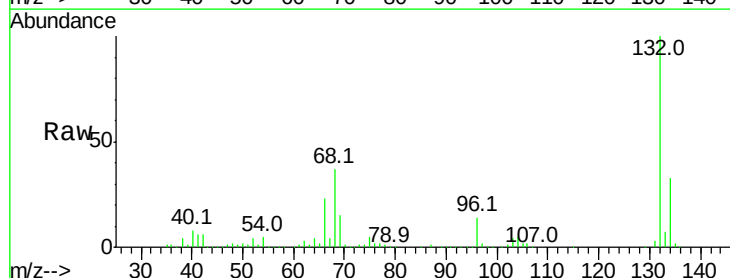
Tgt Ion: 77 Resp: 7415

Ion Ratio Lower Upper

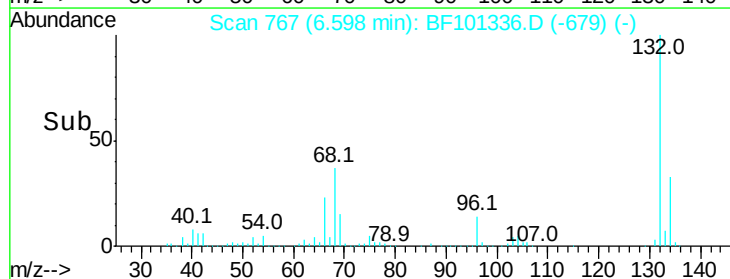
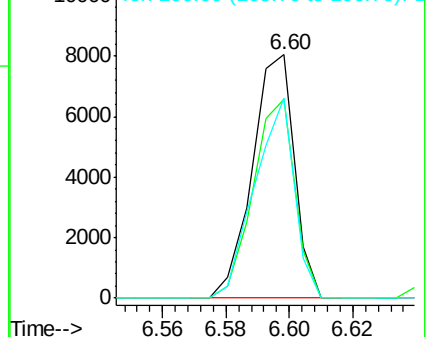
77 100

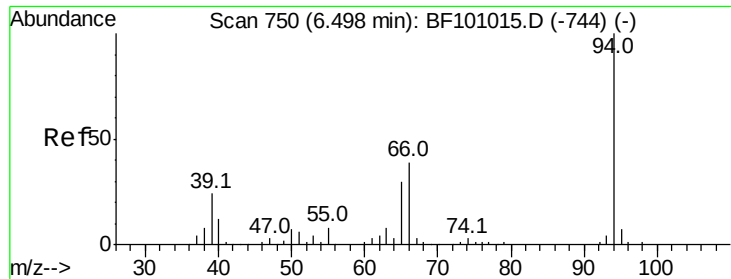
105 81.5 81.1 121.1

106 82.2 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

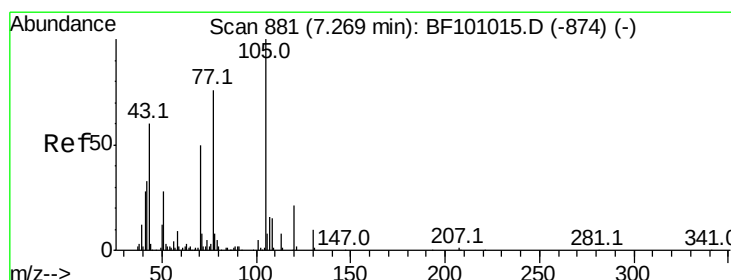
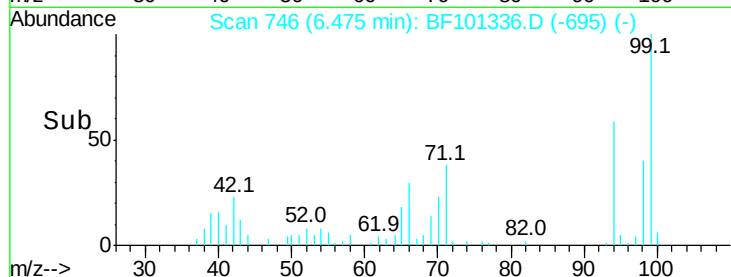
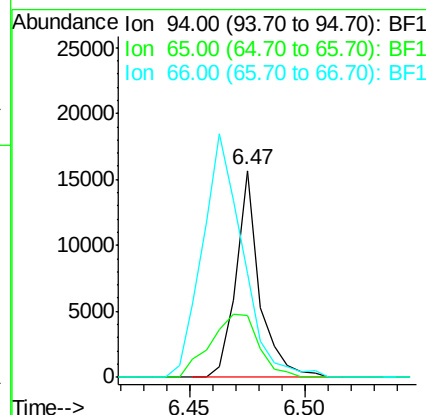
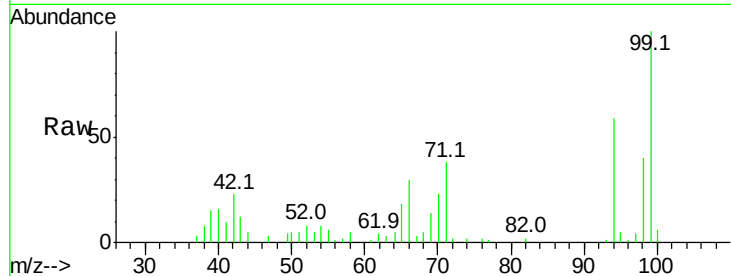




#10
Phenol
Concen: 2.920 ng
RT: 6.47 min Scan# 746
Delta R.T. 0.00 min
Lab File: BF101336.D
Acq: 12 Dec 2017 18:11

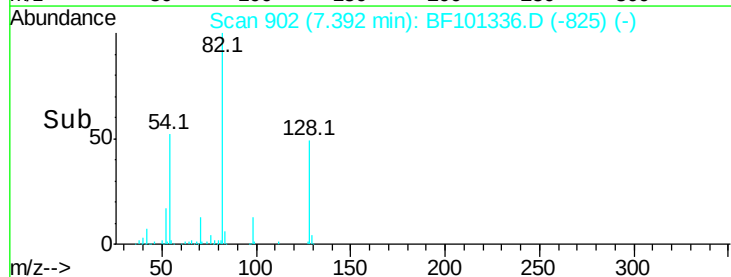
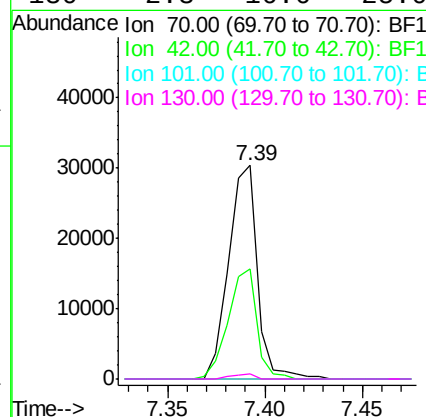
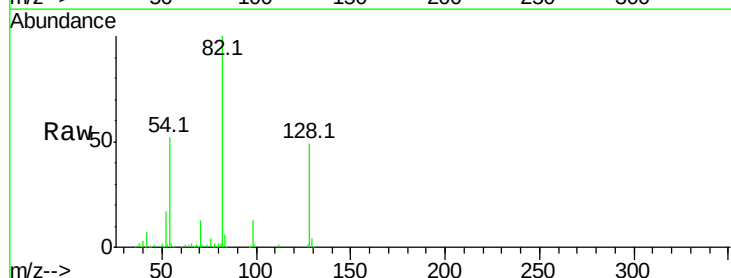
Instrument :
BNA_F
ClientSampled :

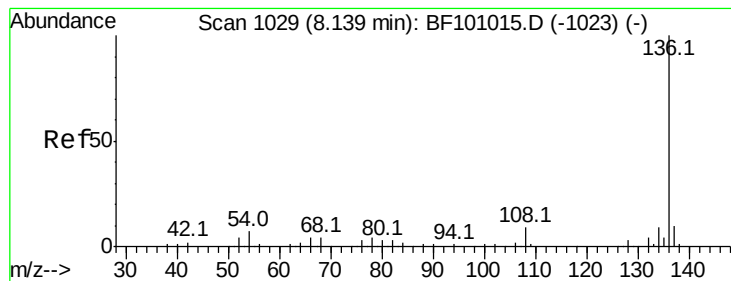
Tot Ion: 94 Resp: 11165
Ion Ratio Lower Upper
94 100
65 30.2 7.9 47.9
66 50.1 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 13.395 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.15 min
Lab File: BF101336.D
Acq: 12 Dec 2017 18:11

Tgt Ion: 70 Resp: 31018
Ion Ratio Lower Upper
70 100
42 51.8 47.5 71.3
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#

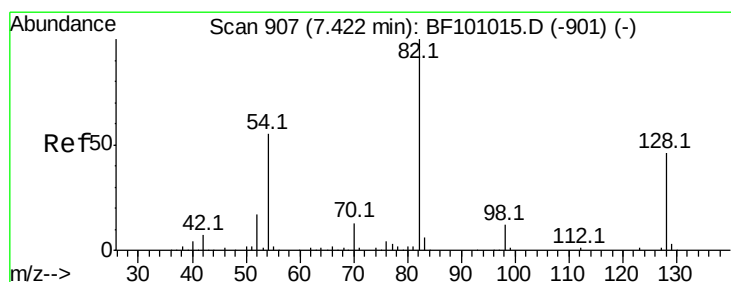
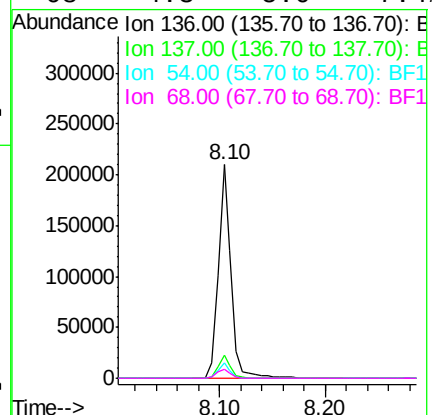
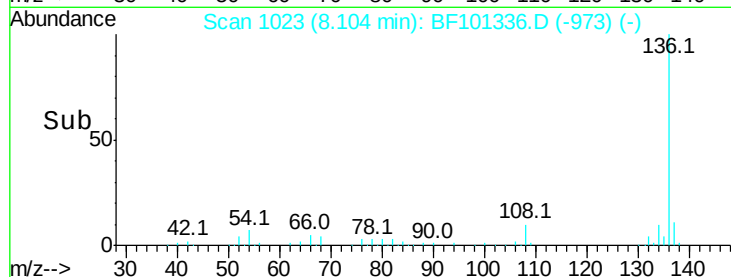
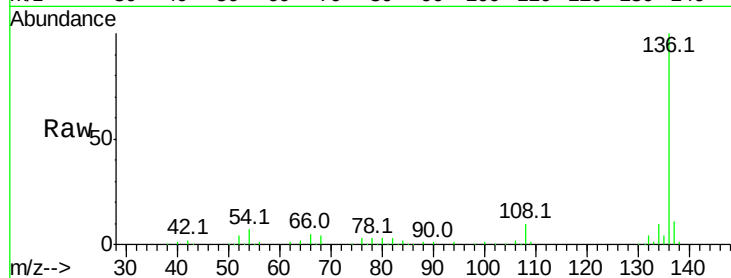




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF101336.D
Acq: 12 Dec 2017 18:11

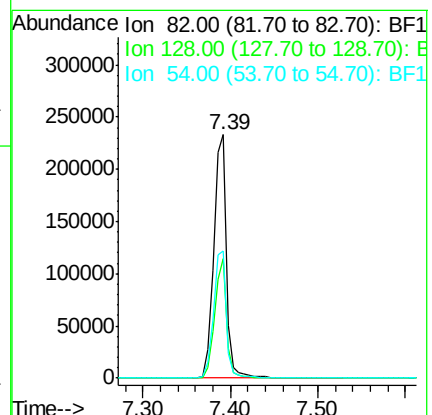
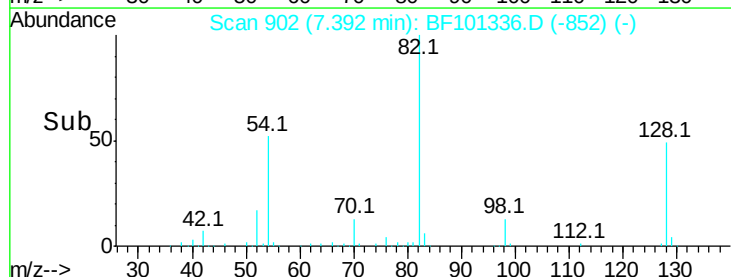
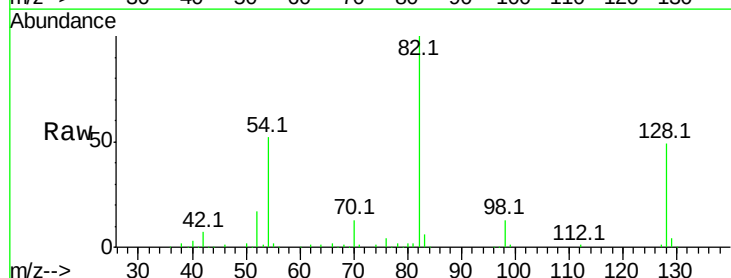
Instrument :
BNA_F
ClientSampleId :

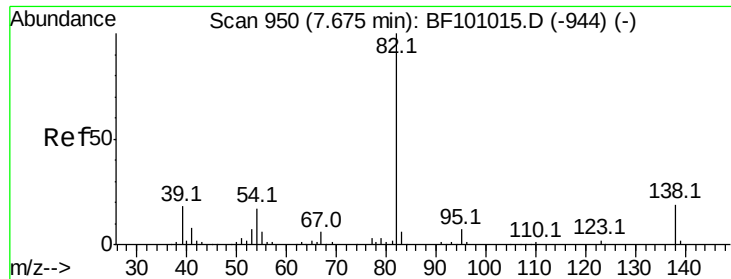
Tot Ion:	136	Resp:	179274
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.4	6.6	9.8
68	4.3	5.0	7.4#



#23
Nitrobenzene-d5
Concen: 78.289 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF101336.D
Acq: 12 Dec 2017 18:11

Tgt Ion:	82	Resp:	235279
Ion	Ratio	Lower	Upper
82	100		
128	49.2	36.1	54.1
54	52.4	41.4	62.2





#25

Isophorone

Concen: 45.833 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF101336.D

Acq: 12 Dec 2017 18:11

Instrument :

BNA_F

ClientSampled :

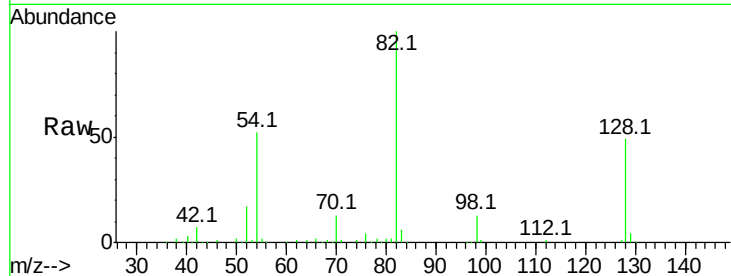
Tot Ion: 82 Resp: 235278

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

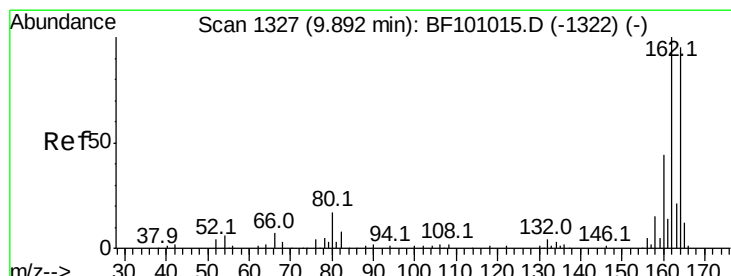
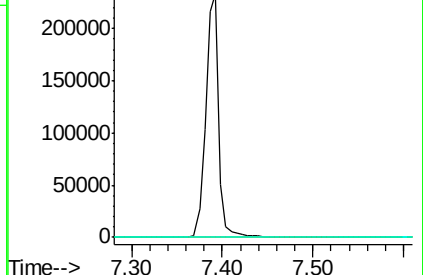
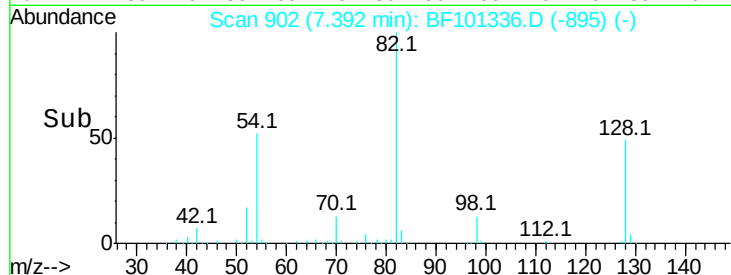
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF101336.D

Acq: 12 Dec 2017 18:11

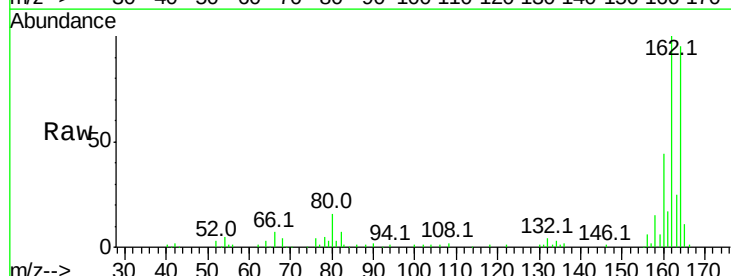
Tgt Ion:164 Resp: 79059

Ion Ratio Lower Upper

164 100

162 104.8 86.1 129.1

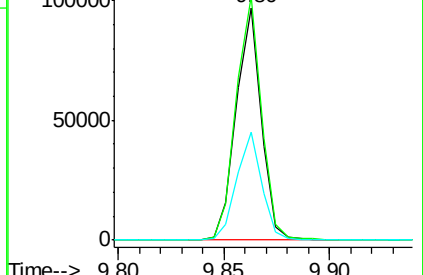
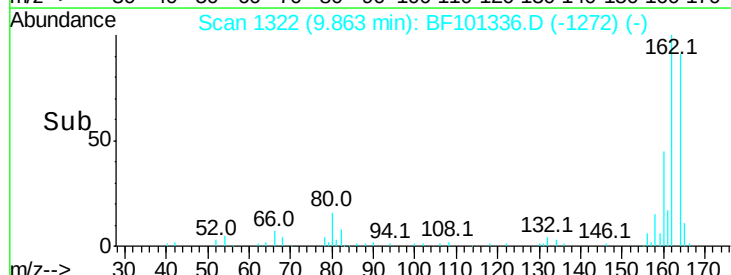
160 46.6 38.3 57.5

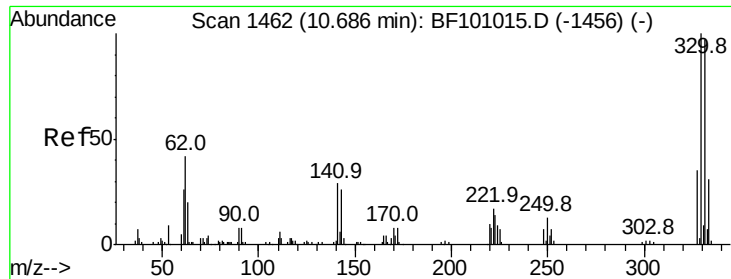


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 103.032 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF101336.D

Acq: 12 Dec 2017 18:11

Instrument :

BNA_F

ClientSampled :

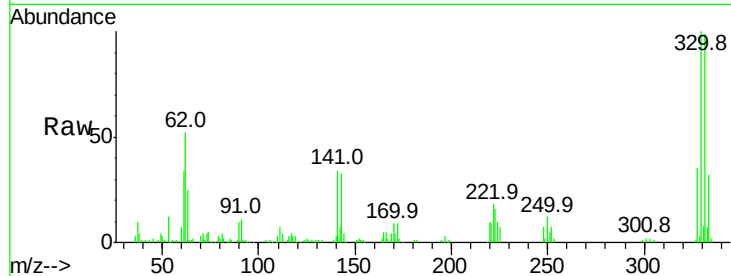
Tot Ion:330 Resp: 97852

Ion Ratio Lower Upper

330 100

332 97.3 77.0 115.6

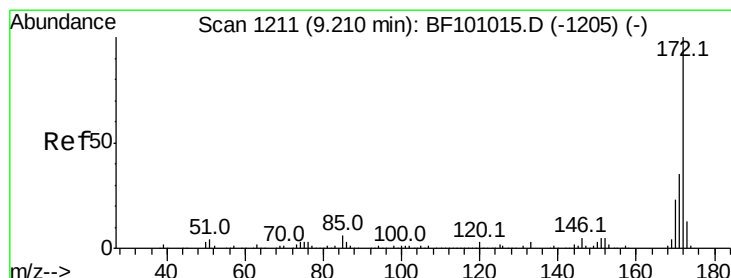
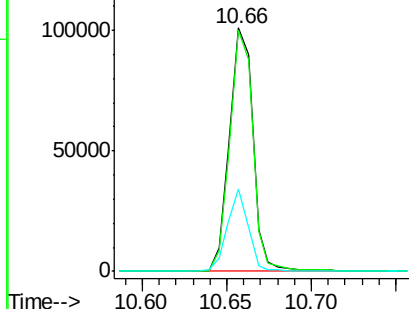
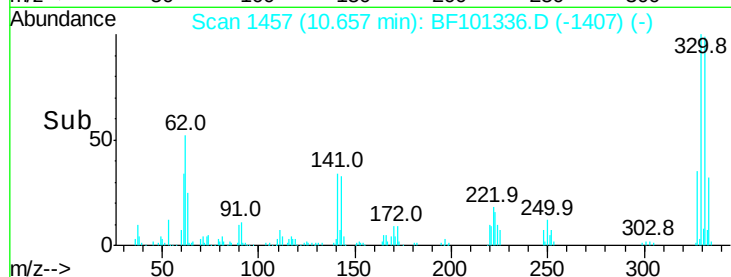
141 30.0 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 84.694 ng

RT: 9.18 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF101336.D

Acq: 12 Dec 2017 18:11

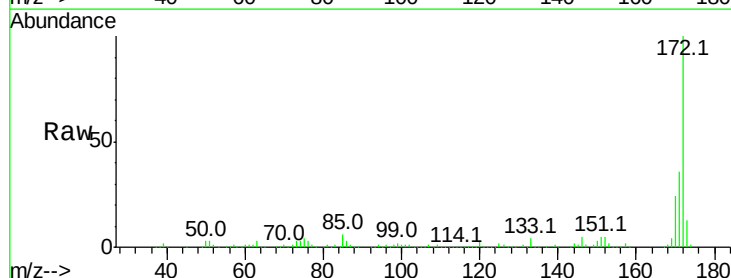
Tgt Ion:172 Resp: 489392

Ion Ratio Lower Upper

172 100

171 35.7 29.7 44.5

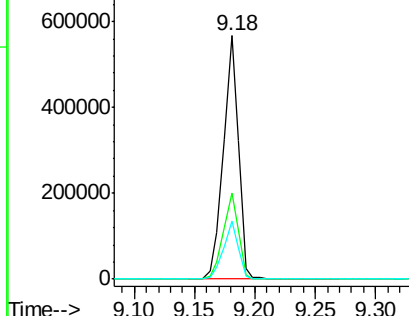
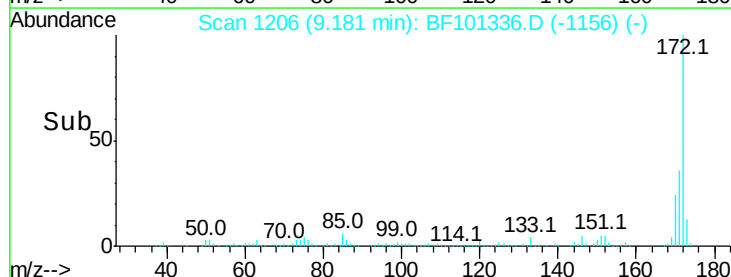
170 23.7 19.6 29.4

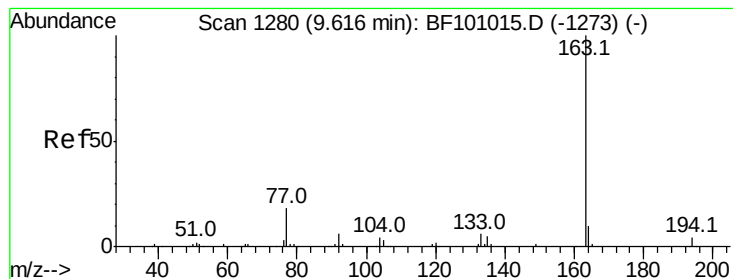


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 9.281 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF101336.D

Acq: 12 Dec 2017 18:11

Instrument :

BNA_F

ClientSampleId :

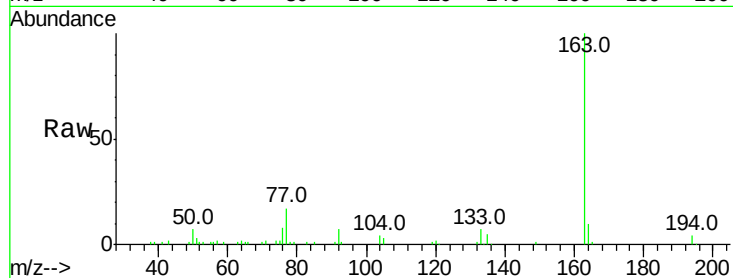
Tot Ion:163 Resp: 59172

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

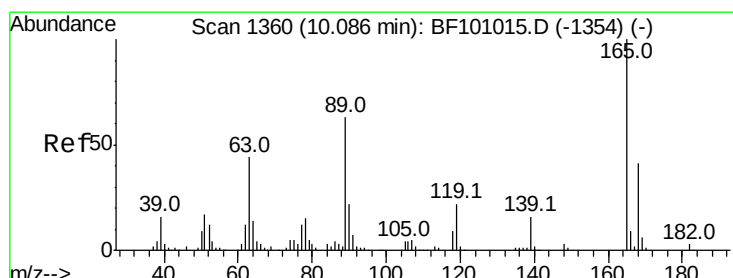
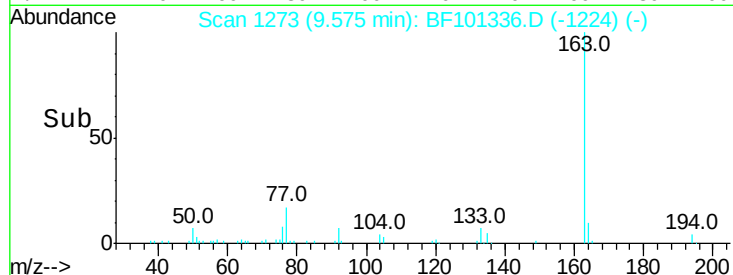
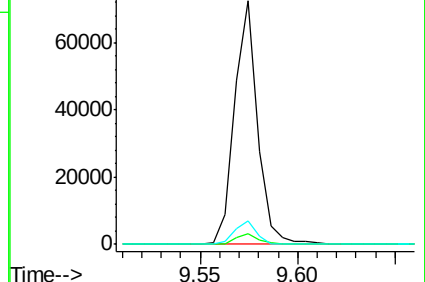
164 9.7 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.586 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.20 min

Lab File: BF101336.D

Acq: 12 Dec 2017 18:11

Tgt Ion:165 Resp: 10053

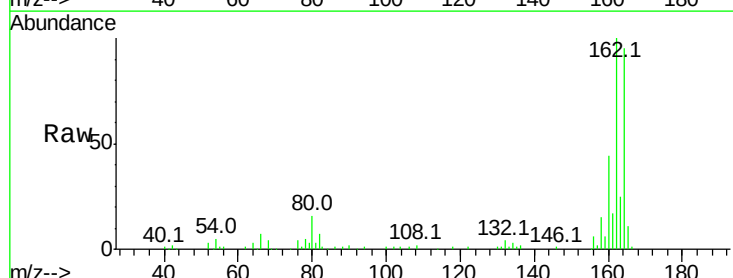
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 0.0 57.8 86.6#

182 0.0 1.6 2.4#

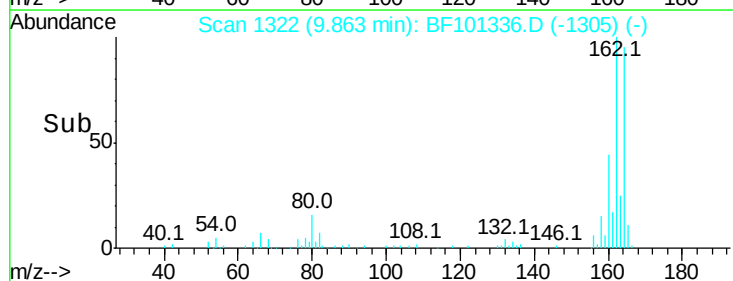
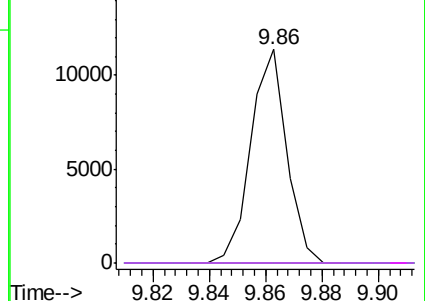


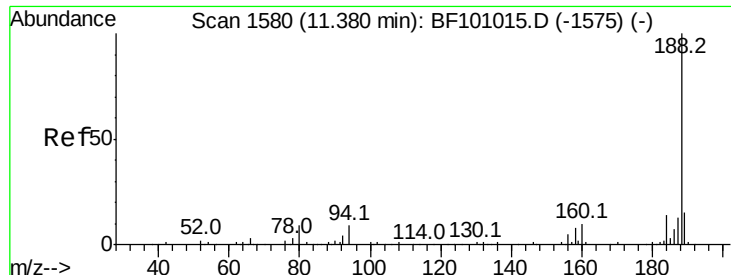
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

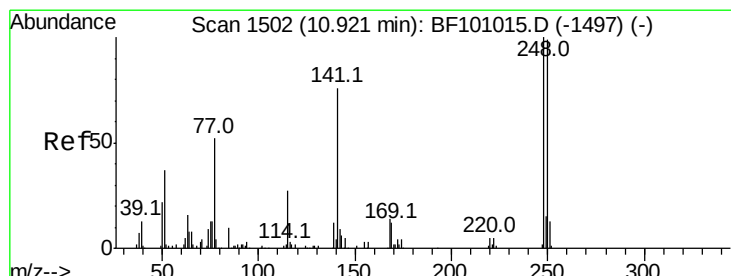
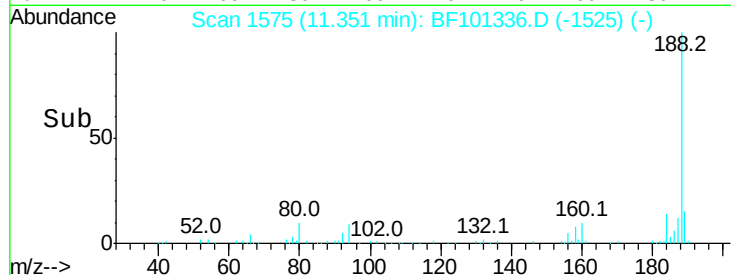
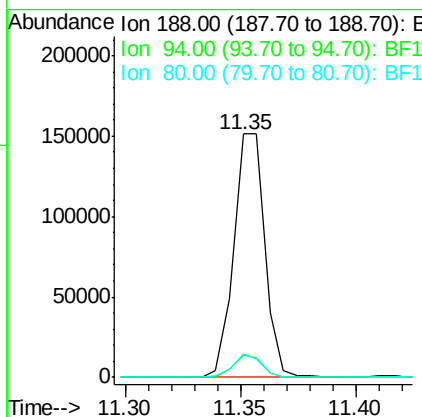
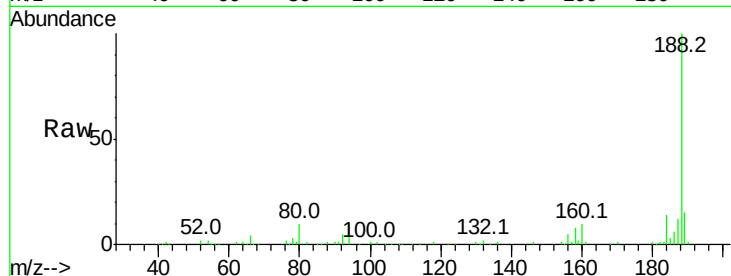




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF101336.D
 Acq: 12 Dec 2017 18:11

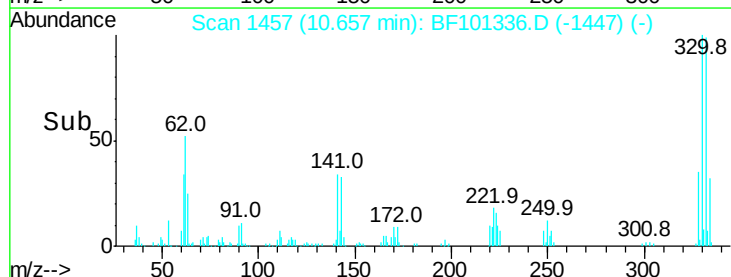
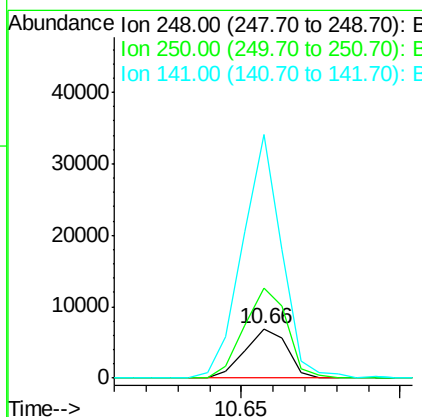
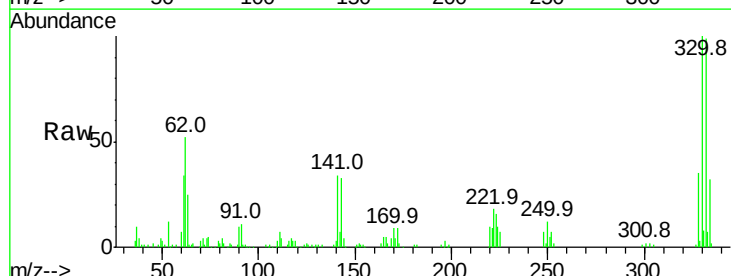
Instrument :
 BNA_F
 ClientSampleId :

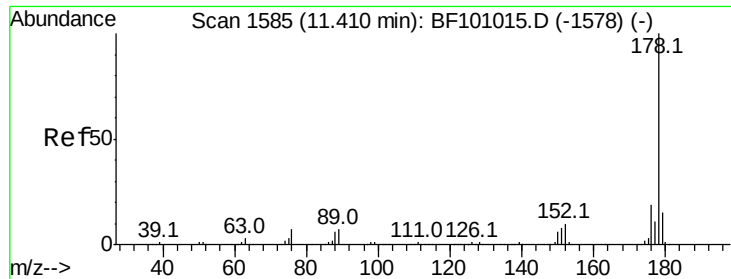
Tot Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	9.6	9.2	13.8



#66
 4-Bromophenyl-phenylether
 Concen: 4.065 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. -0.24 min
 Lab File: BF101336.D
 Acq: 12 Dec 2017 18:11

Tgt Ion	Ratio	Lower	Upper
248	100		
250	180.8	76.9	115.3#
141	490.1	74.4	111.6#





#70

Phenanthrene

Concen: 2.629 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BF101336.D

Acq: 12 Dec 2017 18:11

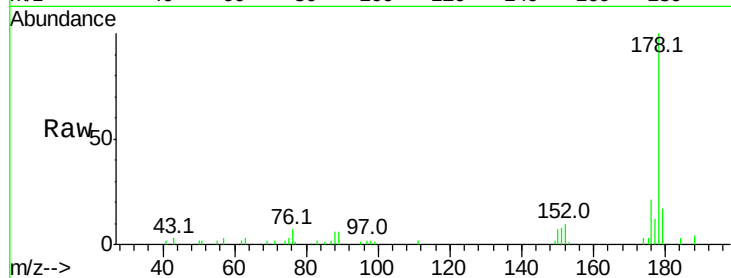
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 20552

Ion	Ratio	Lower	Upper
178	100		
176	21.2	15.8	23.8
179	16.9	13.0	19.6

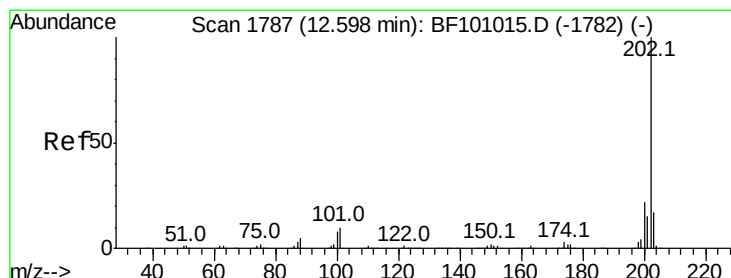
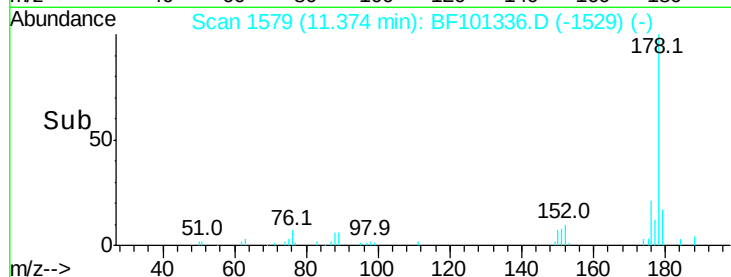
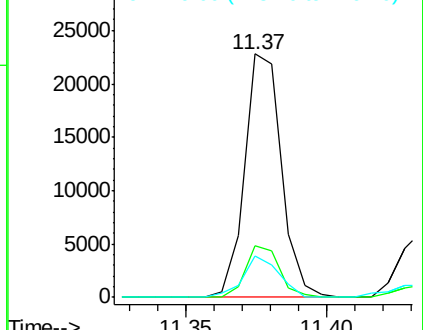


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 5.076 ng

RT: 12.57 min Scan# 1782

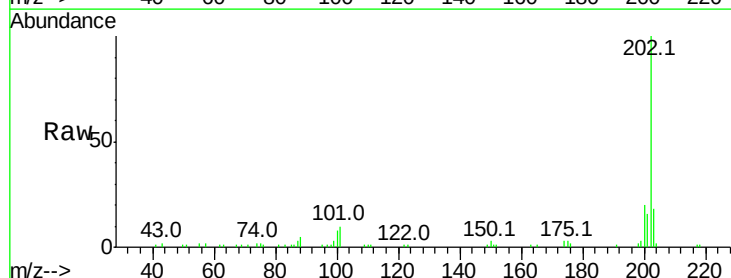
Delta R.T. 0.00 min

Lab File: BF101336.D

Acq: 12 Dec 2017 18:11

Tgt Ion:202 Resp: 43988

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	34.1
203	18.1	0.0	38.1

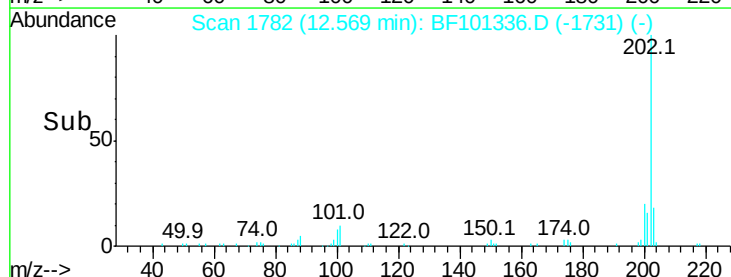
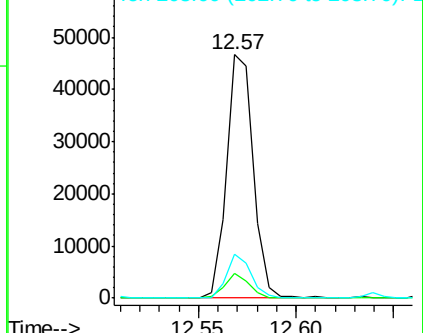


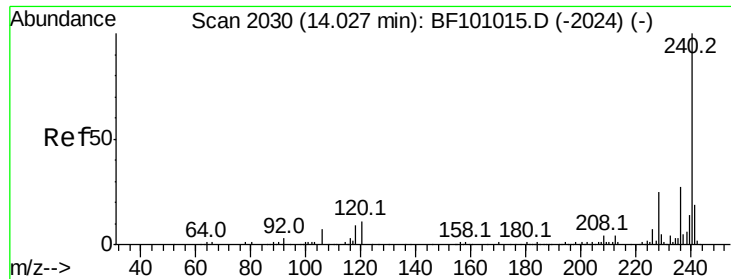
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.00 min

Lab File: BF101336.D

Acq: 12 Dec 2017 18:11

Instrument :

BNA_F

ClientSampleId :

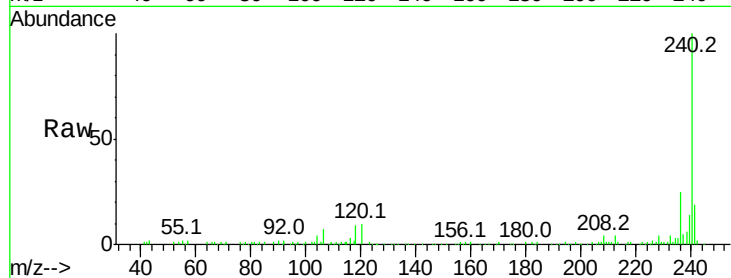
Tot Ion:240 Resp: 104844

Ion Ratio Lower Upper

240 100

120 10.0 9.5 14.3

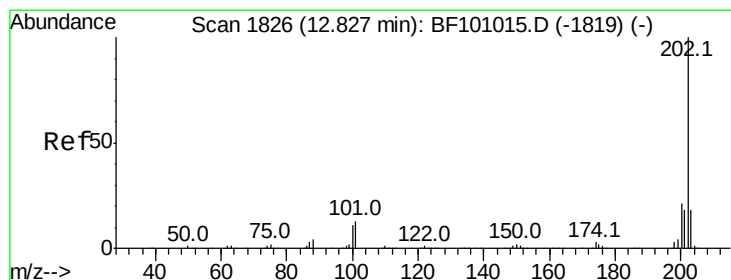
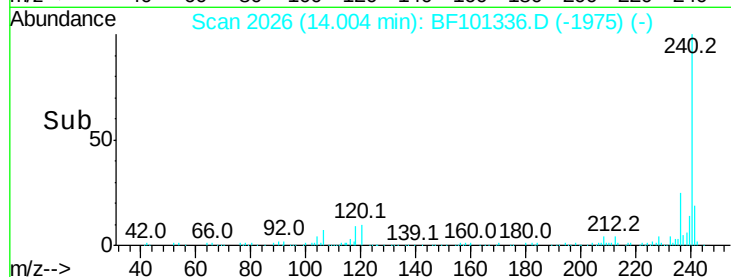
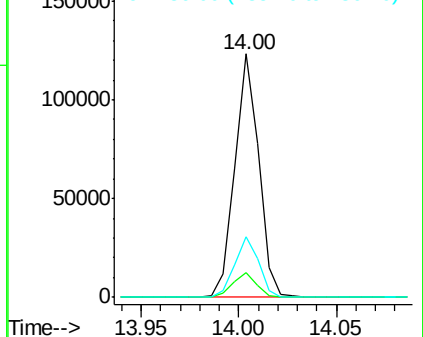
236 24.7 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 5.304 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF101336.D

Acq: 12 Dec 2017 18:11

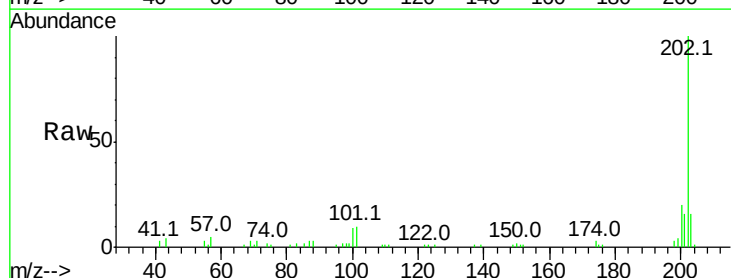
Tgt Ion:202 Resp: 38371

Ion Ratio Lower Upper

202 100

200 19.8 17.4 26.2

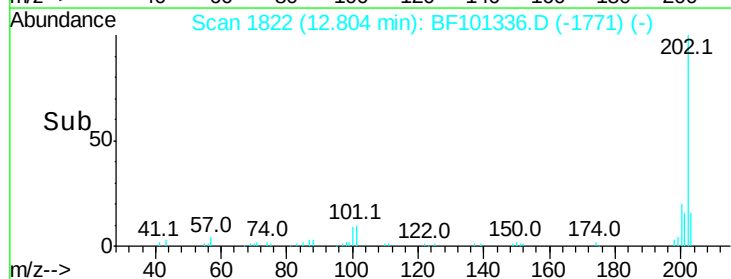
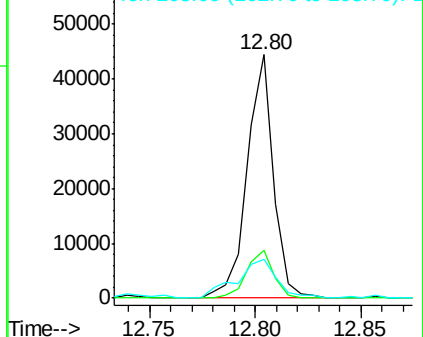
203 16.2 14.3 21.5

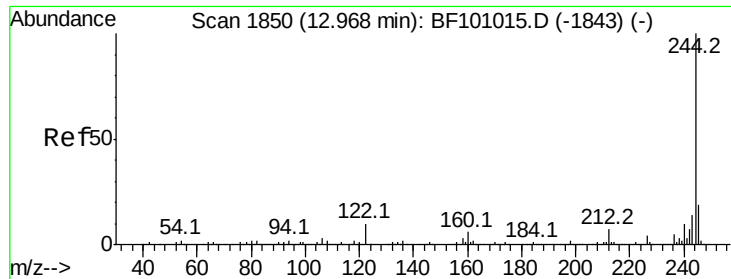


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 85.095 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.00 min

Lab File: BF101336.D

Acq: 12 Dec 2017 18:11

Instrument :

BNA_F

ClientSampled :

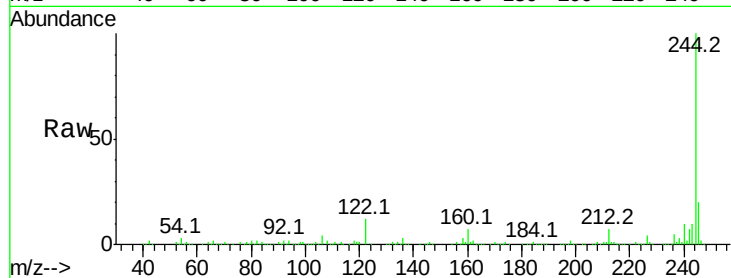
Tot Ion:244 Resp: 407894

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

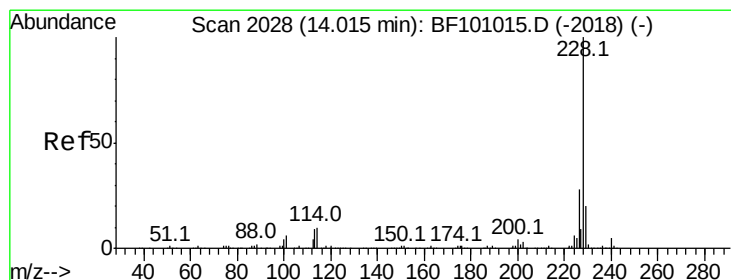
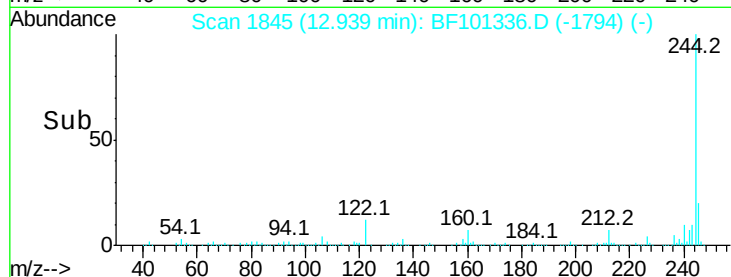
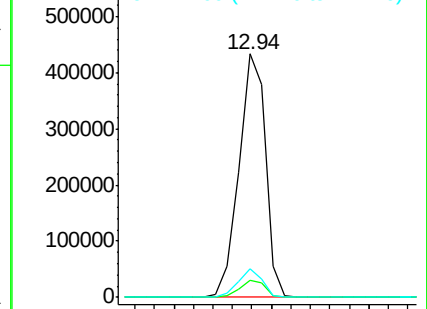
122 11.8 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 3.163 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BF101336.D

Acq: 12 Dec 2017 18:11

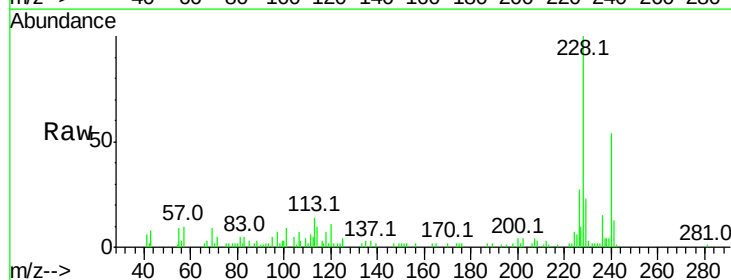
Tgt Ion:228 Resp: 20937

Ion Ratio Lower Upper

228 100

226 26.6 22.6 33.8

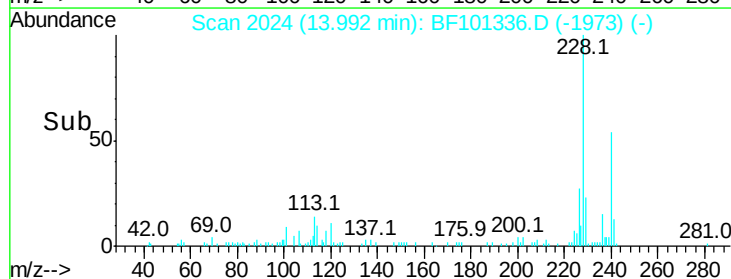
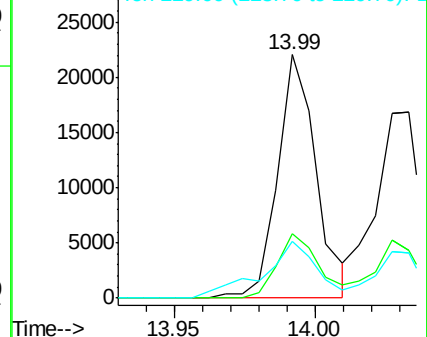
229 23.4 15.8 23.6

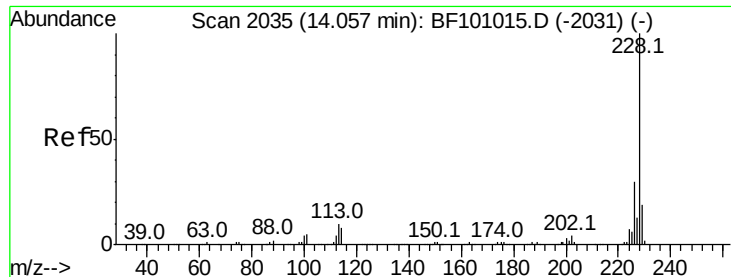


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

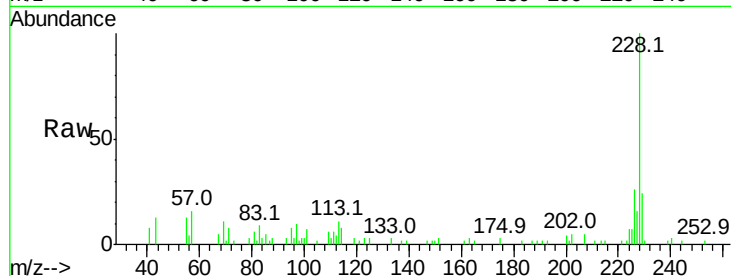




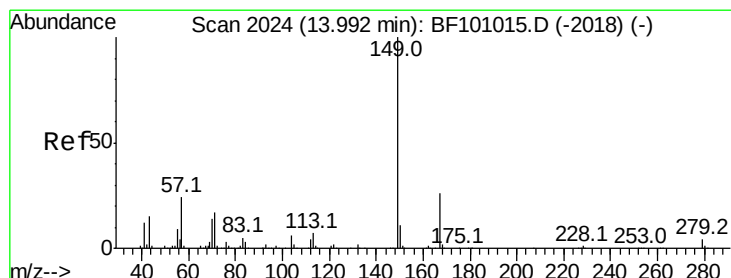
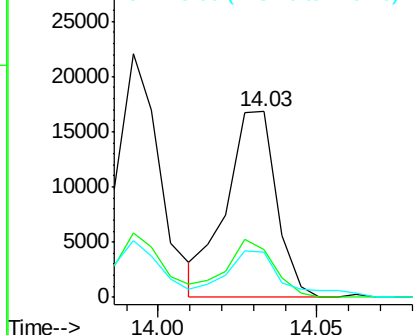
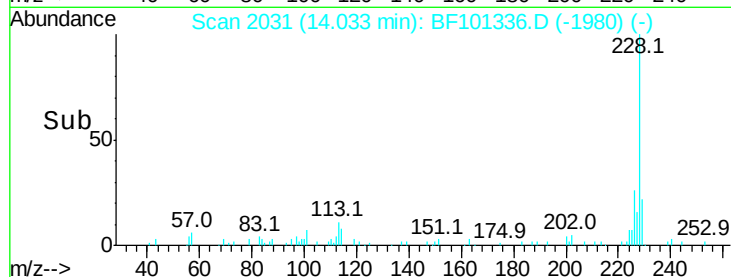
#82
 Chrysene
 Concen: 3.007 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: BF101336.D
 Acq: 12 Dec 2017 18:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:228 Resp: 18484
 Ion Ratio Lower Upper
 228 100
 226 26.0 25.0 37.6
 229 24.2 16.2 24.4

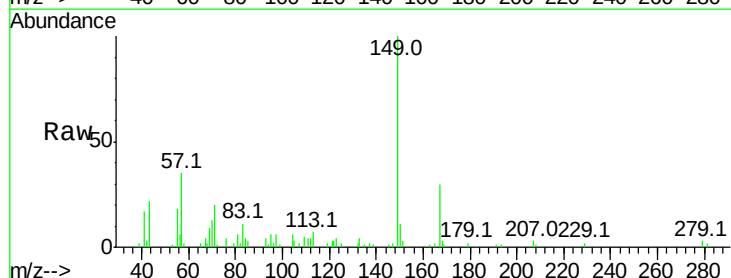


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

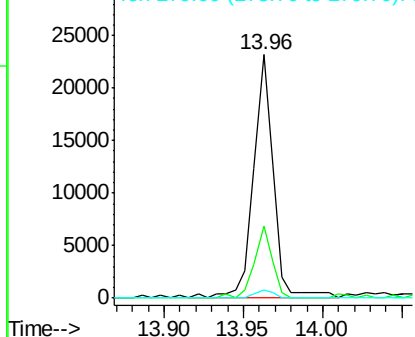
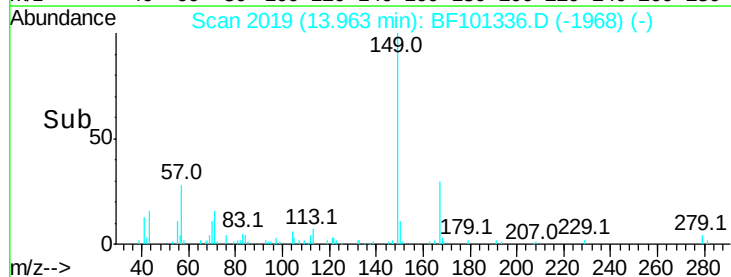


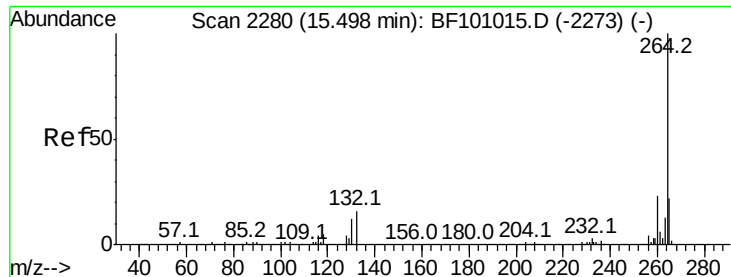
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 4.448 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. 0.00 min
 Lab File: BF101336.D
 Acq: 12 Dec 2017 18:11

Tgt Ion:149 Resp: 20227
 Ion Ratio Lower Upper
 149 100
 167 29.9 21.3 31.9
 279 3.5 3.0 4.4



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

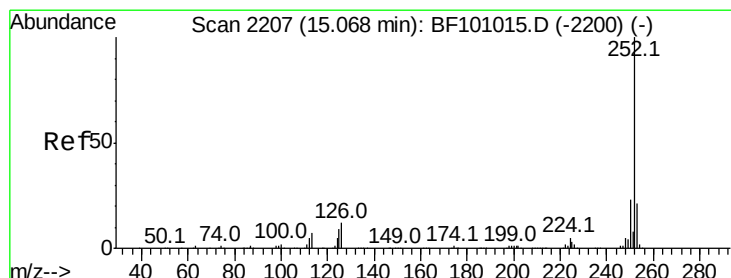
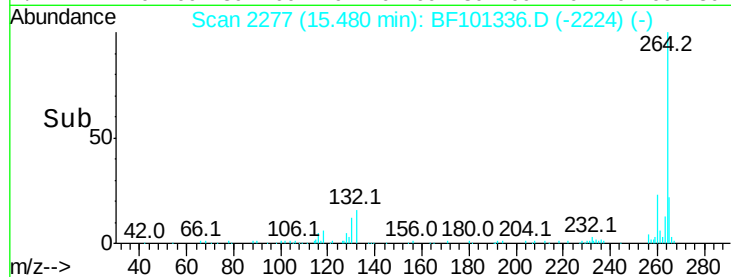
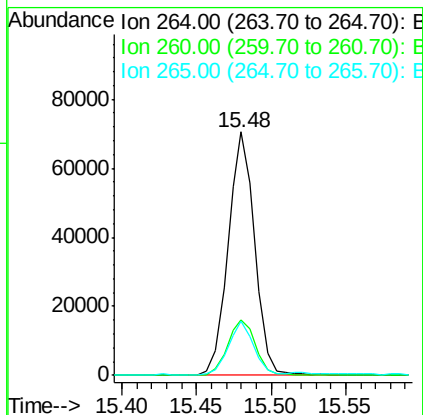
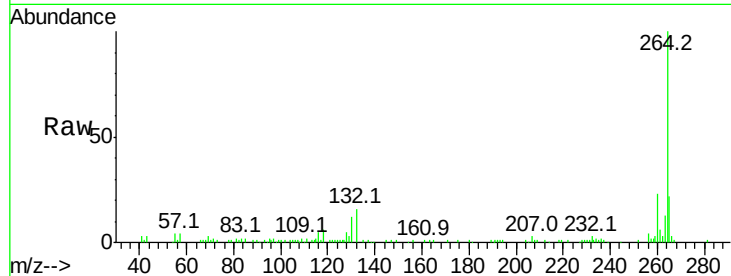




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF101336.D
Acq: 12 Dec 2017 18:11

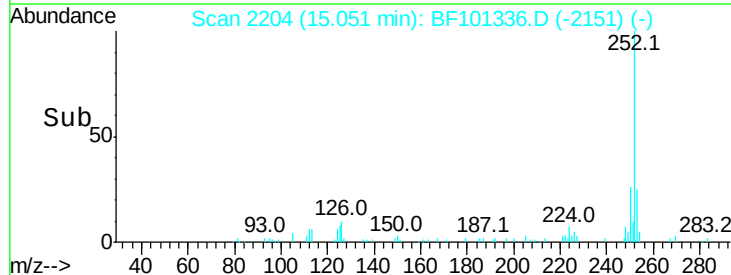
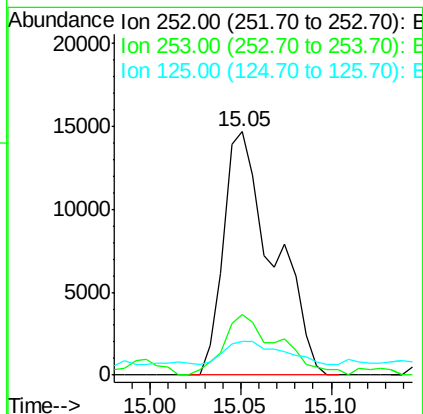
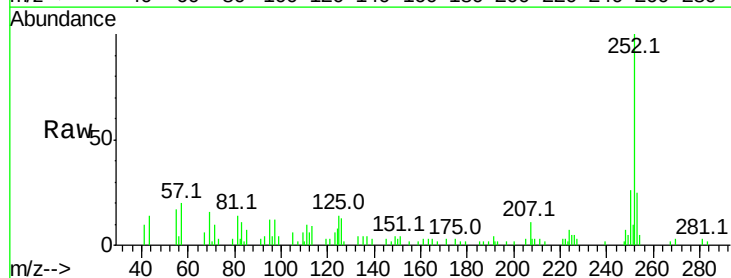
Instrument :
BNA_F
ClientSampleId :

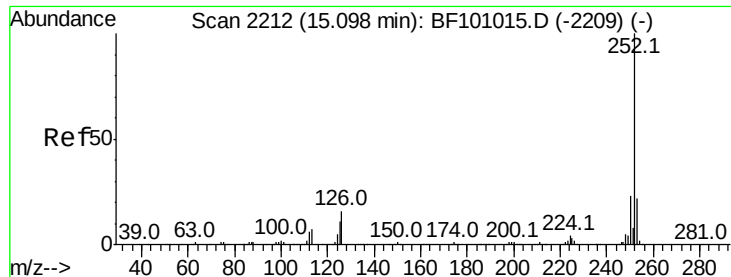
Tot Ion:264 Resp: 87790
Ion Ratio Lower Upper
264 100
260 22.8 19.2 28.8
265 22.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 5.309 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.01 min
Lab File: BF101336.D
Acq: 12 Dec 2017 18:11

Tgt Ion:252 Resp: 27915
Ion Ratio Lower Upper
252 100
253 24.7 17.0 25.6
125 13.6 9.0 13.6#

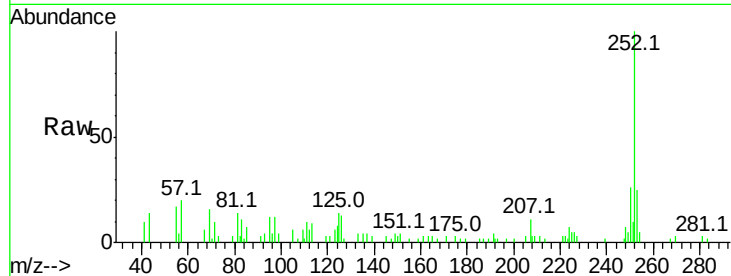




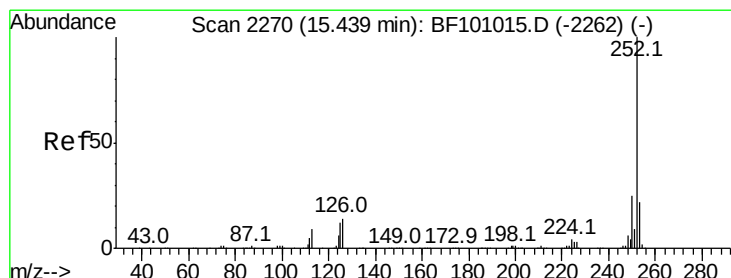
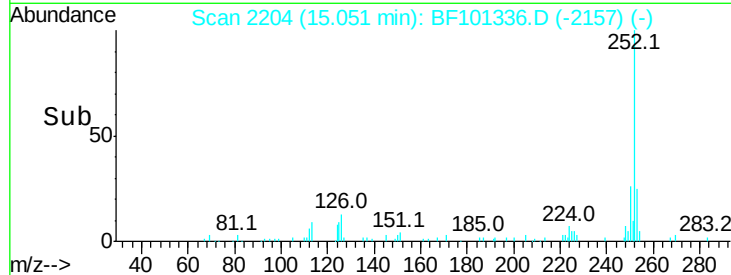
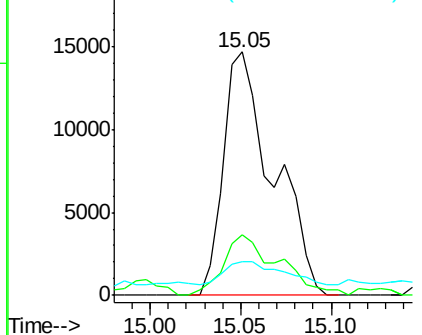
#88
Benzo(k)fluoranthene
Concen: 5.388 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.02 min
Lab File: BF101336.D
Acq: 12 Dec 2017 18:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.9	26.9
125	13.6	10.2	15.2

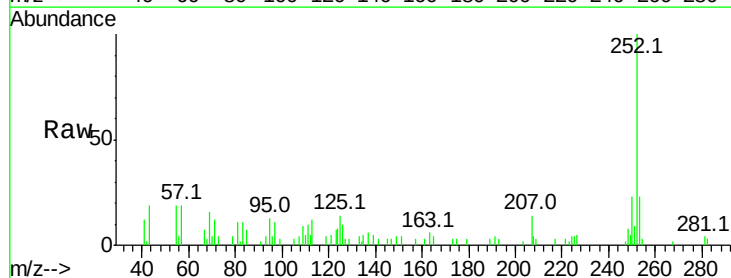


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

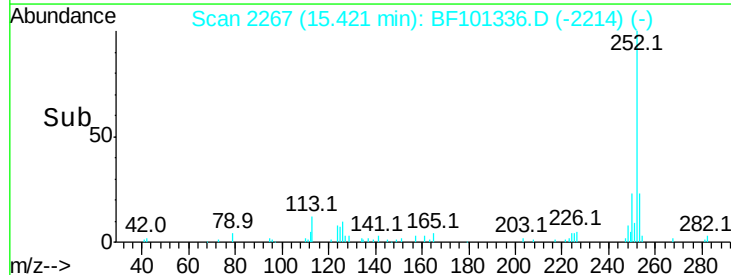
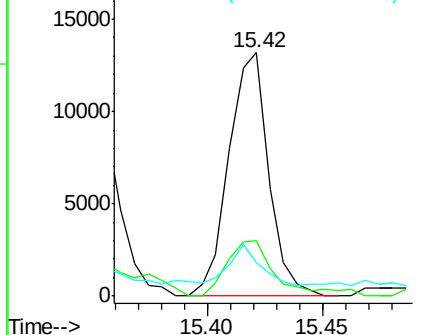


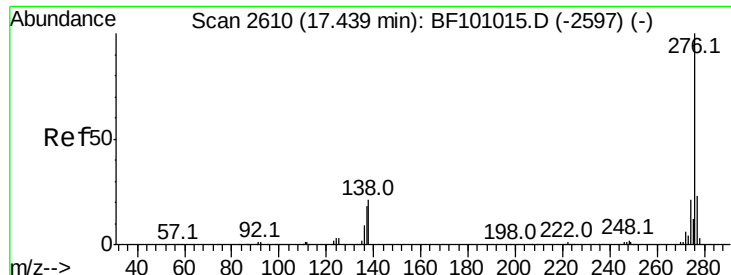
#89
Benzo(a)pyrene
Concen: 3.323 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF101336.D
Acq: 12 Dec 2017 18:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	13.9	9.8	14.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

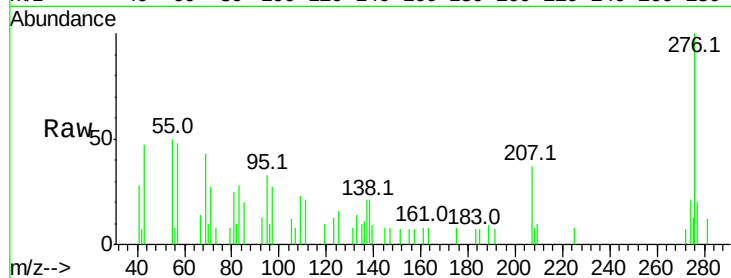




#91
 Benzo(a,h,i)perylene
 Concen: 2.168 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. 0.02 min
 Lab File: BF101336.D
 Acq: 12 Dec 2017 18:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 276 Resp: 8612
 Ion Ratio Lower Upper
 276 100
 277 19.8 17.9 26.9
 138 21.5 21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

